Form 3160-3 (March 2012) FEB 21 2013 UNITED STAT DEPARTMENT OF TH REBUREAU OF LAND M APPLICATION FOR PERMIT 1 1a. Type of work: DRILL	E INTERIOR IANAGEMENT	95	FORM APPI OMB No. 100 Expires October	ROVED
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DEPARTMENT OF TH REBUREAU OF LAND M APPLICATION FOR PERMIT 1	E INTERIOR IANAGEMENT		Explice Output	
			5. Lease Serial No.	· · · · · · · · · · · · · · · · · · ·
			NM LC 029405B 6. If Indian, Allotee or Tr	ribe Name
la. Type of work: 🔽 DRILL 🔲 REE			N/A	
	INTER	1.	7. If Unit or CA Agreemen N/A	t, Name and No.
Ib. Type of Well: 🗹 Oil Well 🗌 Gas Well 🗌 Other	Single Zone	Multiple Zone	8. Lease Name and Well N Ruby Federal #13	3865.
2. Name of Operator ConocoPhillips Company	217817	7	9 API Well No.	-11009
^{3a.} Address P.O. Box 51810 Midland, Texas 79710-1810	3b. Phone No. (include area co 432-688-6913	de)	10. Field and Pool, or Explo Maljamar: Yeso West	ratory
4. Location of Well (<i>Report location clearly and in accordance wit</i>			11. Sec., T. R. M. or Blk. and	d Survey or Area
At surface UL J, Sec. 17, T17S, R32E; 1650' FSL an			Sec. 17, T17S, R32E	
At proposed prod. zone UL J, Sec. 17, T17S, R32E; 164				
 Distance in miles and direction from nearest town or post office* approximately 3.0 miles south of Maljamar, New Mexic 			12. County or Parish Lea County	13. State NM
15. Distance from proposed* 1646' FSL location to nearest	16. No. of acres in lease 1601.96		ng Unit dedicated to this well	
property or lease line, ft. (Also to nearest drig. unit line, if any)		40 acre	5	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 6990' TVD/7043' MD	20. BLM. ES0085	BIA Bond No. on file 5	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work w	ill start*	23. Estimated duration	
4009' GL	24. Attachments		20 days	<u> </u>
The following, completed in accordance with the requirements of Or		be attached to the	nis form:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO must be filed with the appropriate Forest Service Office) 	tem Lands, the 5. Operator co	ove). ertification	ons unless covered by an existi	
25. Signature Sulan B. Maunder	Name (Printed/Typed) Susan B. Maunder		Date 9-	27-12
Title Senior Regulatory Specialist				
Approved by (Signature)	Name (Printed/Typed)		- DP-6	B 2 0 201
Title FIELD MANAGER	Office	SBAD FIELD		
Application approval does not warrant or certify that the applicant conduct operations thereon. Conditions of approval, if any, are attached.	holds legal or equitable title to those	rights in the sul	oject lease which would entitle	the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations	a crime for any person knowingly s as to any matter within its jurisdiction	and willfully to r	nake to any department or agen	ncy of the United
(Continued on p Intents of drill ONLY- CANNOT Non Standard Location has bee Santa Fe Office	produce until the	Rosv Karla	vell Controlleuwi	ชใช้ก ^า Bสรทก์
pproval Subject to General Requirements & Special Stipulations Attached	· .	5E	E ATTACHEI DNDITIONS O	D FOR

Drilling Plan ConocoPhillips Company <u>Maljamar; Yeso, west</u>

Ruby Federal #13

Lea County, New Mexico

1. Estimated tops of geological markers and estimated depths to water, oil, or gas formations:

The ranges of depths for the formation tops, thicknesses, and planned Total Depths for all the wells to be drilled under this Master Drilling Plan are presented in the table below.

The datum for these depths is RKB (which is 13' above Ground Level).

Formations	Top Depth FT TVD	Top Depths FT MD	Contents
Quaternary	Surface	Surface	Fresh Water
Rustler	769	769	Anhydrite
Salado (top of salt)	945	945	1962Salt
Tansill (base of salt)	1962	1962	Gas, Oil and Water
Yates	2115	2115	Gas, Oil and Water
Seven Rivers	2419	2419	Gas, Oil and Water
Queen	3062	3069	Gas, Oil and Water
Grayburg	3476	3488	Gas, Oil and Water
San Andres	3852	3868	Gas, Oil and Water
Glorieta	5322	5355	Gas, Oil and Water
Paddock	5414	5448	Gas, Oil and Water
Blinebry	5774	5813	Gas, Oil and Water
Tubb	6790	6841	Gas, Oil and Water
Deepest estimated perforation	6790	6841	Deepest estimated perf. is ~ Top of Tubb
Total Depth (maximum)	6990	7043	200' below deepest estimated perforation

All of the water bearing formations identified above will be protected by setting of the <u>8-5/8</u> surface casing <u>25' – 70' into the Rustler formation</u> and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

The targeted oil and gas bearing formations identified above will be protected by setting of the <u>5-1/2</u>" production casing <u>10' off bottom of TD</u> and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

2. Proposed casing program:

Turne	Hole Size		Interval D RKB (ft)	OD	Wt	Gr	Conn	MIY	Col	Jt Str		Safety Fac lated per Co Corporate (nocoPhillips.
Туре	(in)	From	То	(inches)	(lb/ft)	G	Conn	(psi)	(psi)	(kibs)	Burst DF	Collapse DF	Jt Str DF (Tension) Dry/Buoyant
Cond	20	0	40' – 85' (30' – 75' BGL)	16	0.5" wall	В	Line Pipe	N/A	N/A	N/A	NA	NA	NA
Alt. Cond	20	0	40' – 85' (30' – 75' BGL)	13-3/8	48#	H-40	PE	1730	740	N/A	NA	NA	NA
Surf	12-1/4	0	794' – 839'	8-5/8	24#	J-55	STC	2950	1370	244	1.22	5.68	2.08
Prod	7-7/8	0	6988' – 7033'	5-1/2	17#	L-80	LTC	7740	6290	338	1.15	2.01	1.68

The casing will be suitable for H₂S Service.

The surface and production casing will be set approximately 10' off bottom and we will drill the hole with a 45' range uncertainty for casing set depth to fit the casing string so that the cementing head is positioned at the floor for the cement job.

The production casing will be set 155' to 200' below the deepest estimated perforation to provide rathole for the pumping completion and for the logs to get deep enough to log the interval of interest.

Casing Design (Safety) Factors - BLM Criteria:

Туре	Depth	Wt	MIY	Col	Jt Str	Drill Fluid	Burst	Collapse	Tensile-Dry	Tens-Bouy
Surface Casing	839	24	2950	1370	244000	8.5	7.95	3.69	12.12	13.92
Production Casing	7033	17	7740	6290	338000	10	2.12	1.72	2.83	3.34

Casing Design (Safety) Factors – Additional ConocoPhillips Criteria:

ConocoPhillips casing design policy establishes Corporate Minimum Design Factors (see table below) and requires that service life load cases be considered and provided for in the casing design.

ConocoPhillips Corporate Criteria for Minimum Design Factors	
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	Burst	Collapse	Axial
Casing Design Factors	1.15	1.05	1.4

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ype luface Casing (8-5/8" 24# J-55 STC) roduction Casing (5-1/2" 17# L-80 LTC)	Depth V 839 7033	Nt 24 17		Col 1370 6290	244000	Pipe Y 38100 39700	00	8.5 10	1.22 1.15	Collapse 5.68 2.01		8			-	
<u>Burst Design (Safety) Factors – ConocoPhilli</u>	ins Criteria															
The maximum Internal (burst) load on the Surface Casing		he surface c	asing is tes	ted to 1	000 psi (press	ured up t	a 1100 psi)	. The								
maximum internal (burst) load on the Production Casing or	-				maximum allov	wable wo	orking press	sure								
(MAWP) is the pressure that would fit ConocoPhillips Corp Surface Casing Test Pressure =	orate Criteria i 1000 p		Design Facto	ors.												
Surface Rated Working Pressure =	3000 p															
Surface Casing Burst Design Factor = Burs Production Casing MAVVP for the Fracture S						Design Fe	actor									
unferen Contine Russet Doctory																
urface Casing Burst Design Factor: Designed CSFG (Test Pressure + MWP) ≤	: (F	1000	+	436)/(839	x		0.052)-	0.5	<	32.42			
MPSP (CSFG - GG) =		x	0.052	x	32.42	-	83.9		=	1331						
MPSP (PPTD - GG) =		х	0.052	X	8.55	-	703.		=	2424						
MPSP (0.375 x BHP) = MPCS (CSFG) =		X X	7033 0.052	X X	0.052 32.42	× =	8.55 1414		=	1173						
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MPSP (SRWP) =								_								
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мРЭР (0.375 х БПР) = Burst Design Factor (Max. MPSP) =		x /	3000		2.58	x		<u> </u>	-	1113						
MAWP for the Fracture Stimulation =		i r	1.15	-	6730											
		-														
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Collapse Design (Safety) Factors - ConocoP			and offer b		the plug on the	a curfood	casing car	nant								
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3. Proposed cementing program:

16" or 13-3/8" Conductor:

Cement to surface with rathole mix, ready mix or Class C Neat cement. (Note: The gravel used in the cement is not to exceed 3/8" diameter) TOC at surface.

8-5/8" Surface Casing & Cementing Program: 8-5/8" 24# J-55 STC

The intention for the cementing program for the Surface Casing is to:

- Place the Tail Slurry from the casing shoe to 300' above the casing shoe,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

	Slurry		vals WD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Lead	Class C	Surface	494' – 539'	13.6	350	595	4%Bentonite 2%CaCl2 .125%Polyflake 0.2% antifoam Excess =230% based on gauge hole volume	1.70
Tail	Class C	494' – 539'	794' – 839'	14.8	200	268	1% CaCl2 Excess = 100% based on gauge hole volume	1.34

Displacement: Fresh Water.

Note: In accordance with the Pecos District Conditions of Approval, we will Wait on Cement (WOC) for a period of not less than 18 hrs after placement or until at least 500 psi compressive strength has been reached in both the Lead Slurry and Tail Slurry cements on the Surface Casing, whichever is greater.

5-1/2" Production Casing & Cementing Program: 5-1/2" 17# L-80 LTC

The intention for the cementing program for the Production Casing is to:

- Place the Tail Slurry from the casing shoe to a point approximately 200' above the top of the Paddock,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

	Slurry		rvals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Lead	50:50 Poz/C	Surface	5200'	11.8	1000	2640	10% Bentonite 8 Ibs/sx Salt 0.4% Fluid loss additive 0.125% LCM if needed Excess = 220% or more if needed based on gauge hole volume	2.64
Tail	Class H	5200'	6988' – 7033'	16.4	650	696	 0.2% Fluid loss additive 0.3% Dispersant 0.15% Retarder 0.2% Antifoam Excess = 100% or more if needed based on gauge hole volume 	1.07

Displacement: Fresh Water with approximately 250 ppm gluteraldehyde biocide. Federal 13_(Tubb)_v1.09-26-12.doc (Date: 9/27/2012)

Proposal for Option to Adjust Production Casing Cement Volumes:

The production casing cement volume presented above are estimates based on gauge 7-7/8" hole. We will adjust these volumes based on the caliper log data for each well and our trends for amount of cement returns to surface. Also, if no caliper log is available for any particular well, we would propose an option to possibly increase the production casing cement volume to account for any uncertainty in regard to the hole volume.

4. Pressure Control Equipment:

A <u>11" 3M</u> system will be installed, used, maintained, and tested accordingly as described in Onshore Oil and Gas Order No. 2.

Our BOP equipment will be:

- Rotating Head
- o Annular BOP, 11" 3M
- o Blind Ram, 11" 3M
- o Pipe Ram, 11" 3M

After nippling up, and every 30 days thereafter or whenever any seal subject to test pressure is broken followed by related repairs, blowout preventors will be pressure tested. BOP will be inspected and operated at least daily to insure good working order. All pressure and operating tests will be done by an independent service company and recorded on the daily drilling reports. BOP will be tested using a test plug to isolate BOP stack from casing. BOP test will include a low pressure test from 250 to 300 psi for a minimum of 10 minutes or until requirements of test are met, whichever is longer. Ram type preventers and associated equipment will be tested to the approved stack working pressure of 3000 psi isolated by test plug. Annular type preventers will be tested to 50 percent of rated working pressure, and therefore will be tested to 1500 psi. Pressure will be held for at least 10 minutes or until provisions of test are met, whichever is longer. Valve on casing head below test plug will be open during testing of BOP stack. BOP will comply with all provisions of Onshore Oil and Gas Order No. 2 as specified. **See Attached BOPE Schematic.** The BOPE may be configured to use flexible hose. Pressure test data and hose specification information will be provided in the variance request to BLM prior to site construction.

5. Proposed Mud System

The mud systems that are proposed for use are as follows:

DEPTH	TYPE	Density ppg	FV sec/qt	API Fluid Loss cc/30 min	рН	Vol bbl
0 – Surface Casing Point	Fresh Water or Fresh Water Native Mud	8.5 - 9.0	28 – 40	Ń.C.	N.C	120 – 160
Surface Casing Point to TD	Brine (Saturated NaCl ₂)	10	29	N.C.	10 – 11	1250 - 2500
Conversion to Mud at TD	Brine Based Mud (NaCl ₂)	10	34 – 45	5 – 10	10 – 11	0 - 1250

Drilling mud containing H2S shall be degassed in accordance with API RP-49, item 5.14. The gases shall be piped into the flare system. Gas detection equipment and pit level flow monitoring equipment will be on location. ConocoPhillips Company will maintain sufficient mud and weighting material on location at all times.

Proposal for Option to Not Mud Up at TD:

FW, Brine, and Mud volume presented above are estimates based on gauge 12-1/4" or 7-7/8" holes. We will adjust these volume based on hole conditions. Also, we propose an option to not mud up leaving only brine in the hole.

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Page 5 of 8

6. Logging, Coring, and Testing Program:

- a. No drill stem tests will be done
- b. Mud logging planned for the production hole section (optional).
- c. No whole cores are planned
- d. The open hole electrical logging program is planned to be as follows:
 - Total Depth to 2500': Resistivity, Density, and Gamma Ray
 - Total Depth to surface Casing Shoe: Caliper
 - Total Depth to surface, Gamma Ray and Neutron
 - Formation pressure data (XPT) on electric line if needed (optional)
 - Rotary Sidewall Cores on electric line if needed (optional)
 - BHC or Dipole Sonic if needed (optional)
 - Spectral Gamma Ray if needed (optional)

• Abnormal Pressures and Temperatures:

- No abnormal pressures are expected to be encountered.
- Loss of circulation is a possibility in the horizon's below the Top of Grayburg. We expect that normal Loss of Circulation Material will be successful in healing any such loss of circulation events.
 - o The bottom hole pressure is expected to be 8.55 ppg gradient.
 - The expected Bottom Hole Temperature is 115 degrees F.
- The estimated H₂S concentrations and ROE calculations for the gas in the zones to be penetrated are presented in the table below for the various producing horizons in this area:

FORMATION / ZONE	H2S (PPM)	Gas Rate (MCFD)	ROE 100 PPM	ROE 500 PPM
Grayburg / San Andres (from MCA)	14000	38	59	27
Yeso Group	400	433	34	15

ConocoPhillips will comply with the provisions of Oil and Gas Order #6

8. Anticipated starting date and duration of operations:

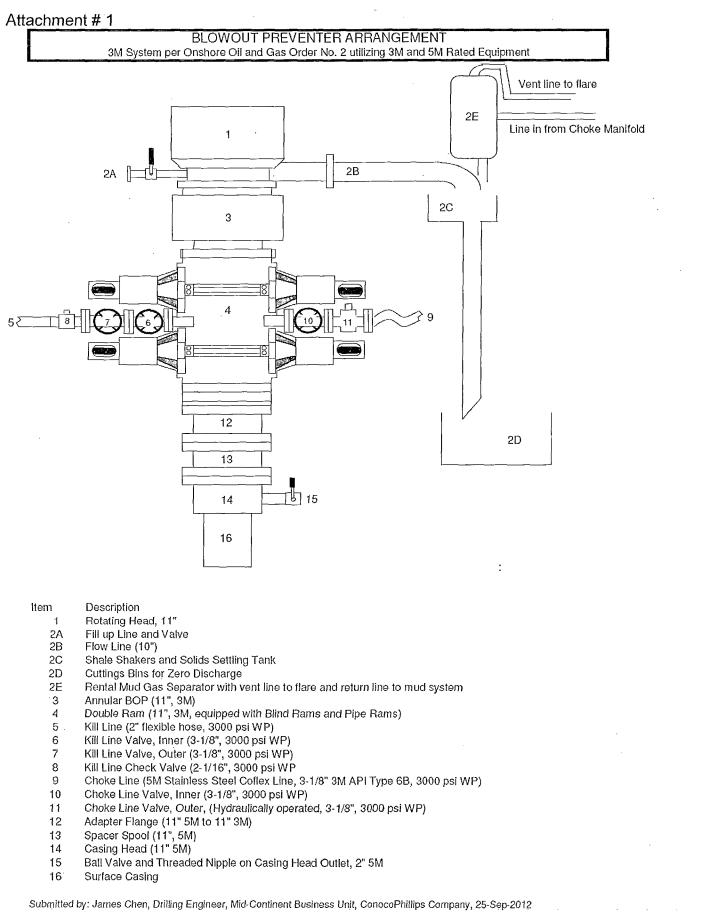
Well pad and road constructions will begin as soon as all agency approvals are obtained. Anticipated date to drill these wells begin from late 2012 through the 2013 after receiving approval of the APD.

Attachments:

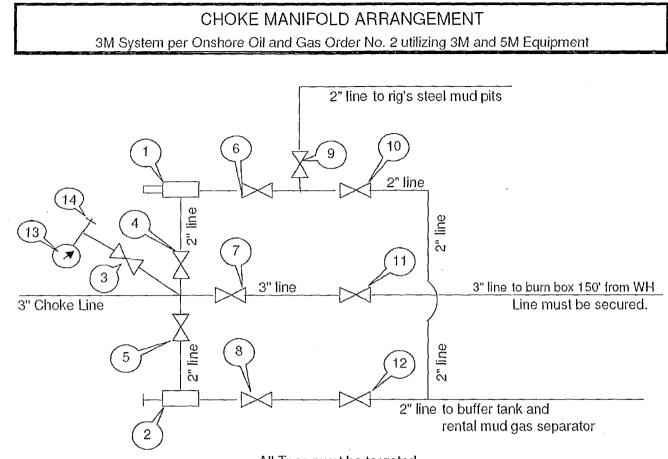
- Attachment # 1 BOP and Choke Manifold Schematic 3M System
- Attachment # 2 Diagram of Choke Manifold Equipment

Contact Information:

Program prepared by: James Chen Drilling Engineer, ConocoPhillips Company Phone (832) 486-2184 Cell (832) 768-1647 Date: 25 September 2012



Attachment # 2



All Tees must be targeted

Item Description

- 1 Remote Controlled Hydraulically Operated Adjustable Choke, 2-1/16", 3M
- 2 Manual Adjustable Choke, 2-1/16", 3M
- 3 Gate Valve, 2-1/16" 5M
- 4 Gate Valve, 2-1/16" 5M
- 5 Gate Valve, 2-1/16" 5M
- 6 Gate Valve, 2-1/16" 5M
- 7 Gate Valve, 3-1/8" 3M
- 8 Gate Valve, 2-1/16" 5M
- 9 Gate Valve, 2-1/16" 5M
- 10 Gate Valve, 2-1/16" 5M
- 11 Gate Valve, 3-1/8" 3M
- 12 Gate Valve, 2-1/16" 5M
- 13 Pressure Gauge
- 14 2" hammer union tie-in point for BOP Tester

We will test each valve to 3000 psi from the upstream side.

Drawn by: Steven O. Moore Chief Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company Date: 25-Sept-2012

ConocoPhillips MCBU

Buckeye Ruby Federal Ruby Federal 13

Original Hole

Plan: Actual Plan

Standard Planning Report - Geographic

24 September, 2012

ConocoPhillips

Planning Report - Geographic

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Site	Ruby Fe	ederal. New M	exico, Southea	st						· · · · · · · · · · · · · · · · · · ·
						00749				
Site Position:			Northi	-		,097.48 usft	Latitude:			32° 49' 48.040
From:	Lat/l	-	Eastin	-	666	,763.62 usft	Longitude:			103° 47' 25.559
Position Uncertain	ty:	3.5 u	sft Slot R	adius:		8"	Grid Converg	ence:		0.29 *
Well	Ruby Fe	deral 13, Direc	tional Well							
Well Position	+N/-S	. 663	.8 usft No	rthing:		666,761.25	usft Lati	tude:		32° 49' 54.551
Went Osicion				-						103° 47' 12.526
	+E/-W			sting:		667,872.28		gitude:		
Position Uncertain	ty 	3	.5 usft We	Ilhead Elevati	on:		usft Gro	und Level:		4,009.0 u
Wellbore	Origina	l Hole	<u> </u>	<u> </u>	. <u></u>	<u> </u>	······			•
1 clibolo						• •				
••	Mod	dat Manaa	<u> </u>							
Magnetics		del Name	Sample	Date .	. Declina	tion	Dip A	ngle	Field	Strength
Magnetics		lei Name	Sample	Date	. Declina (°)	tion	Dip A (°	-		Strength nT)
Magnetics						tion 7.67	-	-		-
Wagnetics		BGGM2012		9/21/2012			-)		nT)
Magnetics	Actual F	BGGM2012					-)		nT)
Design		BGGM2012					-)		nT)
Design Audit Notes:		BGGM2012		9/21/2012	(°)	7.67		60.64	(nT)
Design Audit Notes: Version:	Actual F	BGGM2012 Plan	Phase	9/21/2012 : P	(°) ROTOTYPE	7.67 Tie	(° On Depth:) 60,64		nT)
	Actual F	BGGM2012 Plan	Phase epth From (TV	9/21/2012 : P	(°) ROTOTYPE +N/-S	7.67 Tie +E	(° On Depth: /-W) 60,64	(0.0 ection	nT)
Design Audit Notes: Version:	Actual F	BGGM2012 Plan	Phase epth From (TV (usft)	9/21/2012 : P	(°) ROTOTYPE +N/-S (usft)	7.67 Tie +E (us	(° On Depth: /-W sft)) 60,64	(0.0 (°)	nT)
Design Audit Notes: Version:	Actual F	BGGM2012 Plan	Phase epth From (TV	9/21/2012 : P	(°) ROTOTYPE +N/-S	7.67 Tie +E (us	(° On Depth: /-W) 60,64	(0.0 ection	nT)
Design Audit Notes: Version:	Actual F	BGGM2012 Plan	Phase epth From (TV (usft)	9/21/2012 : P	(°) ROTOTYPE +N/-S (usft)	7.67 Tie +E (us	(° On Depth: /-W sft)) 60,64	(0.0 (°)	nT)
Design Audit Notes: Version: Vertical Section:	Actual F	BGGM2012 Plan	Phase epth From (TV (usft)	9/21/2012 : P	(°) ROTOTYPE +N/-S (usft)	7.67 Tie +E (us	(° On Depth: /-W sft)) 60,64	(0.0 (°)	nT)
Design Audit Notes: Version: Vertical Section; Plan Sections Measured	Actual F	BGGM2012 Plan	Phase epth From (TV (usft) 0.0	9/21/2012 : P	(°) ROTOTYPE +N/-S (usft)	7.67 Tie +E (u: 1,10	(* On Depth: /-W sft) 08.7) 60.64 Dire	(0.0 (°)	nT)
Design Audit Notes: Version: Vertical Section; ^{Pl} an Sections Measured	Actual F	BGGM2012 Plan D	Phase epth From (TV (usft) 0.0 Vertical	9/21/2012 : P D)	(°) ROTOTYPE +N/-S (usft) 663.8	7.67 Tie +E (u: 1,10 Dogleg	(° On Depth: /-W sft) D8.7 Build) 60,64 Dire (90 Turn	(0.0 (*********************************	nT)
Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Ind (usft)	Actual F	BGGM2012 Plan D Azimuth (°)	Phase epth From (TV (usft) 0.0 Vertical Depth (usft)	9/21/2012 : P D) +N/-S (usft)	(°) ROTOTYPE +N/-S (usft) 663.8 +E/-W (usft)	7.67 Tie +E (u: 1,10 Dogleg Rate (°/100usft)	On Depth: /-W sft) 08.7 Build Rate (°/100usft)) 60.64 Dire 90 Turn Rate (°/100usft)	(0.0 (°) 0.00 TFO (°)	nT) 48,821
Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Ind (usft) 0.0	Actual F	BGGM2012 Plan D Azimuth (°) 0.00	Phase epth From (TV (usft) 0.0 Vertical Depth (usft) 0.0	9/21/2012 : P D) +N/-S (usft) 663.8	(°) ROTOTYPE +N/-S (usft) 663.8 +E/-W (usft) (usft) 1,108.7	7.67 Tie +E (u: 1,10 Dogleg Rate (°/100usft) 0.00	(* On Depth: /-W sft) 08.7 Build Rate (*/100usft) 0.00) 60.64 Dire 90 Turn Rate (°/100usft) 0.00	(0.0 ection (°) 0.00 TFO (°) 0.00	nT) 48,821
Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Ind (usft) 0.0 2,115.0	Actual F 1 :fination (°) 0.00 0.00	BGGM2012 Plan D Azimuth (°) 0.00 0.00	Phase epth From (TV (usft) 0.0 Vertical Depth (usft) 0.0 2,115.0	9/21/2012 : P D) +N/-S (usft) 663.8 663.8	(°) ROTOTYPE +N/-S (usft) 663.8 +E/-W (usft) 1,108.7 1,108.7	7.67 Tie +E (u: 1,10 Dogleg Rate (°/100usft) 0.00 0.00	(* On Depth: /-W sft) 08.7 Build Rate (*/100usft) 0.00 .0.00) 60.64 Dire 90 Turn Rate (°/100usft) 0.00 0.00	(0.0 ection (°) 0.00 TFO (°) 0.00 0.00	nT) 48,821
Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Ind (usft) 0.0 2,115.0 2,698.9	Actual F 1 :fination (°) 0.00 0.00 8.76	BGGM2012 Plan D Azimuth (°) 0.00 0.00 90.00	Phase epth From (TV (usft) 0.0 Vertical Depth (usft) 0.0 2,115.0 2,696.6	9/21/2012 P D) +N/-S (usft) 663.8 663.8 663.8	(°) ROTOTYPE +N/-S (usft) 663.8 +E/-W (usft) 1,108.7 1,108.7 1,108.7 1,108.7	7.67 Tie +E (u: 1,10 Dogleg Rate (°/100usft) 0.00 0.00 1.50	(* On Depth: /-W sft) 08.7 Build Rate (*/100usft) 0.00 0.000 1.50) 60.64 Dire 90 Turn Rate (°/100usft) 0.00 0.00 0.00	(0.0 ection (°) 0.00 TFO (°) 0.00 0.00 90.00	nT) 48,821 Target
Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Ind (usft) 0.0 2,115.0	Actual F 1 :fination (°) 0.00 0.00	BGGM2012 Plan D Azimuth (°) 0.00 0.00	Phase epth From (TV (usft) 0.0 Vertical Depth (usft) 0.0 2,115.0	9/21/2012 : P D) +N/-S (usft) 663.8 663.8	(°) ROTOTYPE +N/-S (usft) 663.8 +E/-W (usft) 1,108.7 1,108.7	7.67 Tie +E (u: 1,10 Dogleg Rate (°/100usft) 0.00 0.00	(* On Depth: /-W sft) 08.7 Build Rate (*/100usft) 0.00 .0.00) 60.64 Dire 90 Turn Rate (°/100usft) 0.00 0.00	(0.0 ection (°) 0.00 TFO (°) 0.00 0.00 90.00	nT) 48,821

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Planning Report - Geographic

Database:EDM Central PlanningCompany:ConocoPhillips MCBUProject:BuckeyeSite:Ruby FederalWell:Ruby Federal 13Wellbore:Original HoleDesign:Actual Plan

Planned Survey

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Ruby Federal RKB @ 4022.0usft (PD 822) RKB @ 4022.0usft (PD 822) Grid Minimum Curvature

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	leasured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
	(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
	0.0	0.00	0.00	0.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	85.0	0.00	0.00	85.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	Conduct									
ĺ	100.0	0.00	0.00	100.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
1	200.0	0.00	0.00	200.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	300.0	0.00	0.00	300.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	400.0	0.00	0.00	400.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	500,0	0.00	0.00	500.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	600.0	0.00	0.00	600.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	700.0	0.00	0.00	700.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	769.0	0.00	0.00	769.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	Rustler 794.0	0.00	0.00	794.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	Surface									
	800.0	0.00	0.00	800.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	900.0	0.00	0.00	900.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	945.0	0.00	0.00	945.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	Salado									
	1,000.0	0.00	0.00	1,000.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,100.0	0.00	0.00	1,100.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,200.0	0.00	0.00	1,200.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,300.0	0.00	0.00	1,300.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,400.0	0.00	0.00	1,400.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,500.0	0.00	0.00	1,500.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,600.0	0.00	0.00	1,600.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,700.0 1,800.0	0.00 0.00	0.00 0.00	1,700.0 1,800.0	663.8 663.8	1,108.7 1,108.7	666,761.25 666,761.25	667,872.28 667,872.28	32° 49' 54.551 N 32° 49' 54.551 N	103° 47' 12.526 W 103° 47' 12.526 W
	1,900.0	0.00	0.00	1,800.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
	1,962.0	0.00	0.00	1,962.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
1	Tansill	0.00	0.00	1,002.0	000.0	1,100.7	000,101.20	001,072.20	02 40 04,001 N	100 47 12.020 00
	2,000.0	0.00	0.00	2,000.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54,551 N	103° 47' 12.526 W
	2,100.0	0.00	0.00	2,000.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54,551 N	103° 47' 12.526 W
	2,115.0	0.00	0.00	2,115.0	663.8	1,108.7	666,761.25	667,872.28	32° 49' 54.551 N	103° 47' 12.526 W
1	Yates	0.00	0,00	2,110.0	000.0	,,				100 11 12:020 11
1	2,200.0	1.27	90.00	2,200.0	663.8	1,109.6	666,761.25	667,873.22	32° 49' 54.551 N	103° 47' 12.515 W
'	2,300.0	2.77	90.00	2,299.9	663.8	1,113.1	666,761.25	667,876.76	32° 49' 54,551 N	103° 47' 12.473 W
	2,400.0	4.27	90.00	2,399.7	663.8	1,119.3	666,761.25	667,882.91	32° 49' 54,551 N	103° 47' 12.401 W
1	2,419.3	4.56	. 90.00	2,419.0	663.8	1,120.8	666,761.25	667,884.39	32° 49' 54.550 N	103° 47' 12.384 W
	Seven Ri 2,500.0	vers . 5.77	90.00	2,499.3	663.8	1,128.0	666,761.25	667,891.66	32° 49' 54.550 N	103° 47' 12.299 W
	2,600.0	7.27	90.00	2,499.3	663.8	1,120.0	666,761.25	667,903.03	32° 49' 54,549 N	103° 47' 12.299 W
	2,698.9	8.76	90.00	2,696.6	663.8	1,153.2	666,761.25	667,916.82	32° 49' 54,549 N	103° 47' 12.103 W
	2,700.0	8.76	90.00	2,697.7	663.8	1,153.4	666,761.25	667,916.99	32° 49' 54,549 N	103° 47' 12.004 W
	2,800.0	8.76	90.00	2,796.5	663.8	1,168.6	666,761.25	667,932.21	32° 49' 54.548 N	103° 47' 12.002 W
	2,900.0	8.76	90.00	2,895.4	663.8	1,183.8	666,761.25	667,947.44	32° 49' 54,547 N	103° 47' 11.645 W
	3,000.0	8.76	90.00	2,994.2	663.8	1,199.0	666,761,25	667,962.67	32° 49' 54.546 N	103° 47' 11.466 W
	3,068.6	8.76	90.00	3,062.0	663.8	1,209.5	666,761.25	667,973.11	32° 49' 54.546 N	103° 47' 11.344 W
	Queen	-				·				
ł	3,100.0	8.76	90.00	3,093.1	663.8	1,214.3	666,761.25	667,977.90	32° 49' 54,546 N	103° 47' 11.288 W
	3,200.0	8.76	90.00	3,191.9	663.8	1,229.5	666,761.25	667,993.12	32° 49' 54.545 N	103° 47' 11.110 W
	3,300.0	8.76	90.00	3,290.7	663.8	1,244.7	666,761.25	668,008.35	32° 49' 54,544 N	103° 47' 10.931 W
	3,400.0	8.76	90.00	3,389.6	663.8	1,260.0	666,761.25	668,023.58	32° 49' 54,543 N	103° 47' 10.753 W
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COMPASS 5000.1 Build 61

ConocoPhillips

Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Ruby Federal			
Company:	ConocoPhillips MCBU	TVD Reference:	RKB @ 4022.0usft (PD 822)			
Project:	Buckeye	MD Reference:	RKB @ 4022.0usft (PD 822)			
Site:	Ruby Federal	North Reference:	Grid			
Well:	Ruby Federal 13	Survey Calculation Method:	Minimum Curvature			
Wellbore:	Original Hole					
Design:	Actual Plan					
	· · · · · · · · · · · · · · · · · · ·	• ··· ·· •				
Planned Surve	ev		••			

leasured Depth I	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
3,487.5	8.76	90.00	3,476.0	663.8	1,273.3	666,761.25	668,036.90	32° 49' 54.543 N	103° 47' 10.59
Grayburg	0.70	00.00	0.400.4	CC2 0	4 075 0	666,761,25	CC0 030 01	209 40' E4 E42 N	103° 47' 10.57
3,500.0	8.76	90.00	3,488.4	663.8	1,275.2	,	668,038.81	32° 49' 54.543 N	103° 47' 10.37
3,600.0	8.76	90.00	3,587.2	663.8	1,290.4	666,761.25	668,054.03 668,069.26	32° 49' 54.542 N	103 47 10.39 103° 47' 10.21
3,700.0	8.76	90.00	3,686.1	663.8	1,305.6	666,761.25	-	32° 49' 54.541 N	103 47 10.21 103° 47' 10.03
3,800.0	8.76	90.00	3,784.9	663.8	1,320.9	666,761.25	668,084.49	32° 49' 54.540 N 32° 49' 54.540 N	103° 47' 10.03
3,867.9	8.76	90.00	3,852.0	663.8	1,331.2	666,761.25	668,094.83	32 49 54.540 N	103 47 9.91
San Andre		90.00	3,883.7	663.8	1,336.1	666,761.25	668,099.71	32° 49' 54,539 N	103° 47' 9.86
3,900.0	8.76		-			,	668,114.94	32° 49' 54.539 N 32° 49' 54.539 N	103 47 9.88 103° 47' 9.68
4,000.0	8.76	90.00	3,982.6	663.8	1,351.3	666,761.25	-		103 47 9.88 103° 47' 9.50
4,100.0	8.76	90.00	4,081.4	663.8 002 P	1,366.5	666,761.25	668,130.17	32° 49' 54.538 N	103° 47' 9.30
4,200.0	8.76	90.00	4,180.2	663.8	1,381.8	666,761.25	668,145.40	32° 49' 54.537 N	
4,300.0	8.76	90.00	4,279.1	663.8	1,397.0	666,761.25	668,160.62	32° 49' 54.536 N	103° 47' 9.14
4,400.0	8.76	90.00	4,377.9	663.8	1,412.2	666,761.25	668,175.85	32° 49' 54.536 N	103° 47' 8.96
4,500.0	8.76	90.00	4,476.7	663.8	1,427.5	666,761.25	668,191.08	32° 49' 54.535 N	103° 47' 8.79
4,600.0	8.76	90.00	4,575.6	663.8	1,442.7	666,761.25	668,206.30	32° 49' 54.534 N	103° 47' 8.61
4,700.0	8.76	90.00	4,674.4	663.8	1,457.9	666,761.25	668,221.53	32° 49' 54.533 N	103° 47' 8.43
4,800.0	8.76	90.00	4,773.2	663.8	1,473.1	666,761.25	668,236.76	32° 49' 54.532 N	103° 47' 8.25
4,900.0	8.76	90.00	4,872.1	663.8	1,488.4	666,761.25	668,251.99	32° 49' 54.532 N	103° 47' 8.07
5,000.0	8.76	90.00	4,970.9	663.8	1,503.6	666,761.25	668,267.21	32° 49' 54 531 N	103° 47' 7.89
5,100.0	8.76	90.00	5,069.7	663.8	1,518.8	666,761.25	668,282.44	32° 49' 54.530 N	103° 47' 7.71
5,200.0	8.76	90.00	5,168.6	663.8	1,534.0	666,761.25	668,297.67	32° 49' 54.529 N	103° 47' 7.54
5,300.0	8.76	90.00	5,267.4	663.8	1,549.3	666,761.25	668,312.89	32° 49' 54.528 N	103° 47' 7.36
5,355.2	8.76	90.00	5,322.0	663.8	1,557.7	666,761.25	668,321.31	32° 49' 54.528 N	103° 47' 7.26
Glorieta			- 1				• • • • • • • • • • • • • • • • • • • •		
5,400.0	8.76	90.00	5,366.2	663.8	1,564.5	666,761.25	668,328.12	32° 49' 54.528 N	103° 47' 7.18
5,448.3	8.76	90.00	5,414.0	663.8	1,571.9	666,761.25	668,335.48	32° 49' 54.527 N	103° 47' 7.09
Paddock	0.10		-,		.,				
5,500.0	8.76	90.00	5,465.1	663.8	1,579.7	666,761.25	668,343.35	32° 49' 54.527 N	103° 47' 7.00
5,600.0	8.76	90.00	5,563.9	663.8	1,595.0	666,761.25	668,358.58	32° 49' 54.526 N	103° 47' 6.82
		90.00	5,662.7	663.8	1,610.2	666,761.25	668,373.80	32° 49' 54.525 N	103° 47' 6.64
5,700.0	8.76		•						103° 47' 6.47
5,800.0	8.76	90.00	5,761.6	663.8	1,625.4	666,761.25	668,389.03 668,390.95	32° 49' 54.525 N	103° 47' 6.44
5,812.6	8.76	90.00	5,774.0	663.8	1,627.3	666,761.25	666,390.95	32° 49' 54.524 N	103 47 0.4-
Blinebry	0.70	00.00	E 000 4	CC2 8	1 040 0	666 761 DE	669 404 96	209 40' 54 504 N	10.2% 47' 6.20
5,900.0	8.76	90.00	5,860.4	663.8	1,640.6	666,761.25	668,404.26	32° 49' 54.524 N	103° 47' 6.29
6,000.0	8.76	90.00	5,959.2	663.8	1,655.9	666,761.25	668,419.49	32° 49' 54.523 N	103° 47' 6.1
6,100.0	8.76	90.00	6,058.1	663.8	1,671.1	666,761.25	668,434.71	32° 49' 54.522 N	103° 47' 5.93
6,200.0	8.76	90.00	6,156.9	663.8	1,686.3	666,761.25	668,449.94	32° 49' 54.521 N	103° 47' 5.75
6,243.6	· 8.76	90.00	6,200.0	663.8	1,693.0	666,761.25	668,456.58	32° 49' 54.521 N	103° 47' 5.67
6,300.0	8.76	90.00	6,255.7	663.8	1,701.5	666,761.25	668,465.17	32° 49' 54.521 N	103° 47' 5.57
6,400.0	8.76	90.00	6,354.6	663.8	1,716.8	666,761.25	668,480.39	32° 49' 54.520 N	103° 47' 5.39
6,500.0	8.76	90.00	6,453.4	663.8	1,732.0	666,761.25	668,495.62	32° 49' 54.519 N	103° 47' 5.22
6,600.0	8.76	90.00	6,552.2	663.8	1,747.2	666,761.25	668,510.85	32° 49' 54.518 N	103° 47' 5.04
6,700.0	8.76	90.00	6,651.1	663.8	1,762.5	666,761.25	668,526.08	32° 49' 54.518 N	103° 47' 4.86
6,800.0	8.76	90.00	6,749.9	663.8	1,777.7	666,761.25	668,541.30	32° 49' 54.517 N	103° 47' 4.68
6,840.6	8.76	90.00	6,790.0	663.8	1,783.9	666,761.25	668,547.48	32° 49' 54.516 N	103° 47' 4.61
Tubb									
6,900.0	8.76	90.00	6,848.7	663.8	1,792.9	666,761.25	668,556.53	32° 49' 54.516 N	103° 47' 4.50
7,000.0	8.76	90.00	6,947.6	663.8	1,808.1	666,761.25	668,571.76	32° 49' 54.515 N	103° 47' 4.32
7,033.0	8.76	90.00	6,980.2	663.8	1,813.2	666,761.25	668,576.78	32° 49' 54.515 N	103° 47' 4.26
Production									
7,042.9	8.76	90.00	6,990.0	663.8	1,814.7	666,761.25	668,578.29	32° 49' 54.515 N	103° 47' 4.25
	0.70	50.00	0,000.0	000.0	1,014.7	000,701.20	000,070.20	52 TO 07.010 N	100 17 1.20
TD								•	

COMPASS 5000.1 Build 61

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ConocoPhillips

Planning Report - Geographic

							074 Dubu	Factor at		
Database:	EDM Central P	-				nate Reference:	Site Ruby		1000	
Company:	ConocoPhillips	MCBO			TVD Referenc MD Reference		RKB @ 40 RKB @ 40			
Site:	Project: Buckeye Site: Ruby Federal			North Referen		Grid	22.00511 (F	0 022)		
Well:	Ruby Federal 1	3			Survey Calcul		Minimum (Curvature		
Wellbore:	Original Hole	•			currey culou					
Design:	Actual Plan									
		· .							_	· ·
Targets									•	
Target Name										
- hit/miss tar	get Dip Ang	le Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting			
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Lati	tude	Longitude
Ruby Federal 13		.00 0.0		631.3	1,693.0	666,728.79	668,456.58	32° 4	9' 54.200 N	103° 47' 5.680 \
- plan misse - Circle (rad	es target center by lius 150.0)	124.0usft at 5	466.8usft MD (5	432.2 TVD,	663.8 N, 1574	.7 E)				
Ruby Federal 13 - plan hits ta - Point	·	.00 0.0	0 6,200.0	663.8	1,693.0	666,761.25	668,456.58	32° 4	9' 54.521 N	103° 47' 5.678 V
Casing Points			<u></u>		. <u> </u>					
	Measured	Vertical					с	asing	Hole	
	Depth	Depth					. Di	ameter	Diameter	
	(usft)	(usft)			Name			(")	(")	
	85.0	85.						16	20	
	794.0	794						8-5/8	12-1/4	
	7,033.0	6,980.	2 Production					5-1/2	7-7/8	
Formations					<u>.</u>		<u></u>			
	Measured	Vertical							Dip	
	Depth	Depth						Dip	Direction	
	(usft)	(usft)		Name		Litholog	IX.	(°)	(°)	
	2,419.3	2,419.0	Seven Rivers				-	0.00		
	1,962.0	1,962.0						0.00		
	769.0		Rustler					0.00		
	5,448,3	5,414.0						0.00		
	3,487.5	-	Grayburg					0.00		
	3,068.6		Queen					0.00		
	5,812.6	5,774.0						0.00		
	2,115.0	2,115.0	•					0.00		
	3,867.9		San Andres					0.00		
	6,840.6	6,790.0						0.00		
	7,042.9	6,990.0 6,990.0								
	7,042.9 5,355.2		Glorieta					0.00 0.00		
	945.0	945.0	Saiduu					0.00		

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Request for Variance ConocoPhillips Company

Lease Number: NM LC 029405B Well: Ruby Federal #13 Location: Sec. 17, T17S, R32E Date: 09-27-12

Request:

ConocoPhillips Company respectfully requests a variance to install a flexible choke line instead of a straight choke line prescribed in the Onshore Order No. 2, III.A.2.b Minimum standards and enforcement provisions for choke manifold equipment. This request is made under the provision of Onshore Order No. 2, IV Variances from Minimum Standard. The rig to be used to drill this well is equipped with a flexible choke line if the requested variance is approved and determined that the proposed alternative meets the objectives of the applicable minimum standards.

Justifications:

The applicability of the flexible choke line will reduce the number of target tees required to make up from the choke valve to the choke manifold. This configuration will facilitate ease of rig up and BOPE Testing.

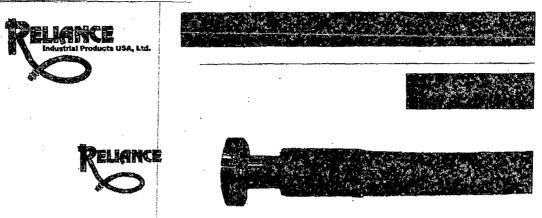
Attachments:

- Attachment # 1 Specification from Manufacturer
- Attachment # 2 Mill & Test Certification from Manufacturer

Contact Information:

Program prepared by: James Chen Drilling Engineer, ConocoPhillips Company Phone (832) 486-2184 Cell (832) 768-1647 Date: 27 September 2012

Attachment # 1



Reliance Eliminator Choke & Kill

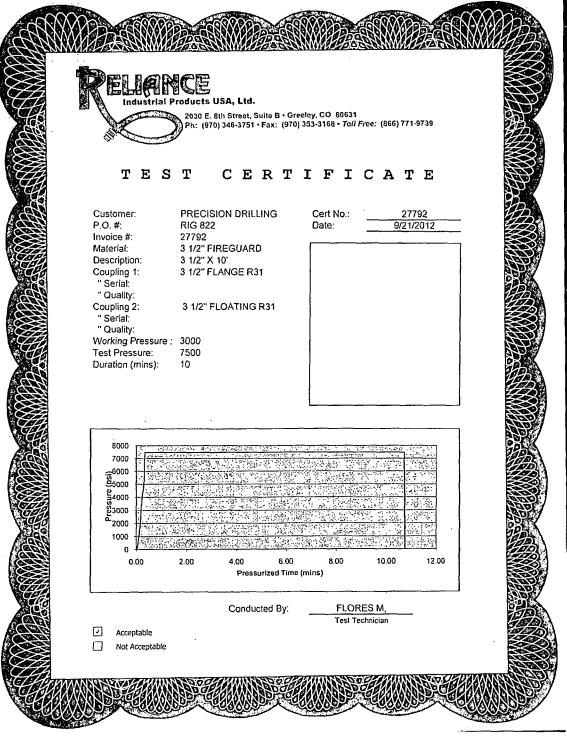
This hose can be used as a choke hose which connects the BOP stack to the bleed-off manifold or a kill hose which connects the mud stand pipe to the BOP kill valve.

The Reliance Eliminator Choke & Kill hose contains a specially bonded compounded cover that replaces rubber covered Asbestos, Fibreglass and other fire retardant materials which are prone to damage. This high cut and gouge resistant cover overcomes costly repairs and downtime associated with older designs.

The Reliance Eliminator Choke & Kill hose has been verified by an independent engineer to meet and exceed EUB Directive 36 (700°C for 5 minutes).

Non	n. ID	Non	Nom OD Weig		ght Min B		end Radius		Max WP	
in.	mm.	in.	mm	lb/ft	kg/m	in.	mm.		psi	Mpa
3	76.2	5.11	129.79	14.5	21.46	48	1219.	2	5000	34.4
3-1/2	88.9	5.79	147.06	20.14	29.80	54	1371.	6	5000	34.4
Fittings			Flanges		Han	nmer Un	ions		Other	
			/8 5000# AP	••	All Un	ion Configu	rations	LP Tr	readed Co	
	1	R31 - 3-1	/8 3000# AP	Pl Type 6B					Grayloc	
RC3X5055									Custom E	nds
RC3X5055				;						
RC4X5055 RC3X5055 RC4X5575				:						

Attachment # 2



Closed Loop System Design, Operating and Maintenance, and Closure Plan

ConocoPhillips Company Well: Ruby Federal #13 Location: Sec. 17, T17S, R32E Date: 09-25-12

ConocoPhillips proposes the following plan for design, operating and maintenance, and closure of our proposed closed loop system for the above named well:

1. We propose to use a closed loop system with steel pits, haul-off bins, and frac tanks for containing all cuttings, solids, mud, water, brine, and liquids. We will not dig a pit, nor will we use a drying pad, nor will we build an earth pit above ground level, nor will we dispose of or bury any waste on location.

All drilling waste and all drilling fluids (fresh water, brine, mud, cuttings, drill solids, cement returns, and any other liquid or solid that may be involved) will be contained on location in the rig's steel pits or in hauloff bins or in frac tanks as needed. The intent is as follows:

- We propose to use the rigs' steel pits for containing and maintaining the drilling fluids.
- We propose to remove cuttings and drilled solids from the mud by using solids control equipment and to contain such cuttings and drilled solids on location in haul-off bins.
- We propose that any excess water that may need to be stored on location will be stored in tanks.

The closed loop system components will be inspected daily by each tour and any need repairs will be made immediately. Any leak in the system will be repaired immediately, and any spilled liquids and/or solids will be cleaned immediately, and the area where any such spill occurred will be remediated immediately.

2. Cuttings and solids will be removed from location in haul-off bins by an authorized contractor and disposed of at an authorized facility. For this well, we propose the following disposal facility:

Controlled Recovery Inc, 4507 West Carlsbad Hwy, Hobbs, NM 88240, P.O. Box 388; Hobbs, New Mexico 88241 Toll Free Phone: 877.505.4274, Local Phone Number: 432.638.4076

The physical address for the plant where the disposal facility is located is Highway 62/180 at mile marker 66 (33 miles East of Hobbs, NM and 32 miles West of Carlsbad, NM).

The Permit Number for CRI is R9166

A photograph showing the type of haul-off bins that will be used is attached.

- 3. Mud will be transported by vacuum truck and disposed of at Controlled Recovery Inc at the facility described above.
- 4. Fresh Water and Brine will be hauled off by vacuum truck and disposed of at an authorized salt water disposal well. We propose the following for disposal of fresh water and brine as needed:
 - Nabors Well Services Company, 3221 NW County Rd; Hobbs, NM 88240, PO 5208 Hobbs, NM, 88241, Permit SWD 092. (Well Location: Section 3, T19S R37E)
 - Basic Energy Services, P.O. Box 1869; Eunice, NM 88231 Phone Number: 575.394.2545, Facility located at Hwy 18, Mile Marker 19; Eunice, NM.

James Chen Drilling Engineer Office: 832.486.2184 Cell: 832.678.1647

SPECIFICATIONS Heavy Duty Split Metal Rolling Lid FLOOR: 3/16 PL one pleas CROSS MEMBER: 3X 421 chanine plots on center WALLS: 9/16 PL solid welded with tubing top. inside liner hooks DOOR: 3/16 PL solid welded with 10 ing top. inside liner hooks DOOR: 3/16 PL solid welded with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with 2° x 6° x 1/4° rails of solid edge with rease fillings DOOR: 1/40CH: Standard with rease fillings DO SIUCULECIOSSUBUBIES ANSE: Context inside and out with direct to metal, rust inhibiting acrylic enamel color coat CONT. B A initial, pust initialing eacylic enamel color coat HYDR OUESTINE: Full capacity statistical DIMENSIONS: 22440° long (2146° inside), 99 Wide (62° inside), see clawing for height OPTIONS: Steel gift blast and special paint, Amalicall Hell and Dino pickup ROOF: 3/15° (PL vooi panels with tubing and channel supportstame UDS: (2) 68° 200° match colling tide spring loaded: self-reising ROULE RS: 61° Vigtooverrollers with delfin bearings and crease fittings OPENINCE. (2) 60° 262° openings With 85 divider centered on 20 YD $4\overline{1}$ 53 25 YD 53 65 30 Y D 65 77 with 8 civider centered on container, MATCHI(2) (notependent) retchet bindere with chefts RIC kild ASKETS: (Stimled) wher allwith method hous

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